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TECH CENTER 1600/2900

A. DNA Sequence comparison

Sin	1	GGA TCC	GCT	CAG	GGA	GAA	GCT	AAT	GGT	AAT	CAG	CCT	TTC	GCA	GCA	AAT	AAT	GCT	
Clark	111	GGT GCT	GCT	TAA	GGA	GAA	GCT	AAT	GGT	AAT	TAA	CCT	TTC	GCA	GCA	AAT	AAT	GCT	
Sin	55	GCT	AGA	GGT	ATA	TGT	GTA	CCA	TGG	CAA	ATA	AAC	AGA	GTA	GGC	TCT	GGT	ACC	AAT
Clark	165	GCT	AGA	GGT	ATA	TGT	GTA	CCA	TGG	CAA	ATA	AAC	AGA	GTA	GGC	TCT	GTT	ACC	AAT
Sin	109	GCA	GGT	GAC	TTA	GCT	ACT	TTA	GCC	ACA	CAA	TGC	AGT	ACT	CAG	TCT	CCT	ACT	GGC
Clark	219	GCA	GGT	GAC	TTA	GCT	ACT	TTA	GCC	ACA	TAA	TGC	AGT	ACT	TAA	TCT	CCT	ACT	GGC
Sin	163	ACT	GCA	CTT	GAT	GAT	GGA	GTG	ACA	GAT	GTT	TTT	GAT	AGA	TCA	GCC	GCA	CAG	TCT
Clark	273	ACT	GCA	CTT	GAT	GAT	GGA	GTG	ACA	GAT	GTT	TTT	GAT	AGA	TCA	GCC	GCA	TAA	TCT
Sin	217	GTT	AAA	TGC	AAA	CCT	AAC	TTT	TAC	TAT	AAT	GGT	GGT	TCT	CCT	CAG	GGT	GAA	GCT
Clark	327	GTT	AAA	TGC	AAA	CCT	AAC	TTT	TAC	TAT	AAT	GGT	GGT	TCT	CCT	TAA	GGT	GAA	GCT
Sin	271	CCT	GGC	GTT	CAG	GTT	TTT	GCT	GCT	GGT	GCT	GCC	GCT	GCA	GGA	ATT	C		
Clark	381	CCT	GGC	GTT	TAA	GTT	TTT	GCT	GCT	GGT	GCT	GCC	GCT	GCA	GGT	GTT	G		

B. Amino Acid Sequence Comparison

Sin (universal codon)	1	GSAQGEANGNQ	PFAANNAARGICVPCQINRVGSG	TNAGDLATLATQ	CSTQ
Clark (universal codon)	36	GAA*GEANGN*	PFAANNAARGICVPCQINRVGSV	TNAGDLATLAT*	CST*
Clark (Ciliate codon)	36	GAAQGEANGNQ	PFAANNAARGICVPCQINRVGSV	TNAGDLATLATQ	CSTQ
Sin (universal codon)	51	CPTGTALDDGVTDVFD	RSAAQ	CVKCKPNFY	YNGGSPQ
Clark (Universal codon)	86	CPTGTALDDGVTDVFD	RSAA*	CVKCKPNFY	YNGGSP*
Clark (Ciliate codon)	86	CPTGTALDDGVTDVFD	RSAAQ	CVKCKPNFY	YNGGSPQ

Figure legend

- (A) Comparison of Sin's sequence with Clark's DNA sequences. The codons in difference are highlighted in yellow and the different nucleotides are shown in red.
- (B) Comparison of deduced amino acid sequences from Sin's and Clark's DNA sequences. For Clark's sequence, both universal and ciliate codons are used. The residues in difference are highlighted in yellow and shown in red.

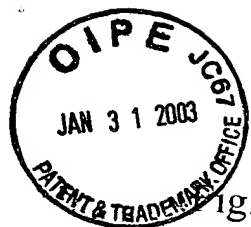


Fig. 2 A:

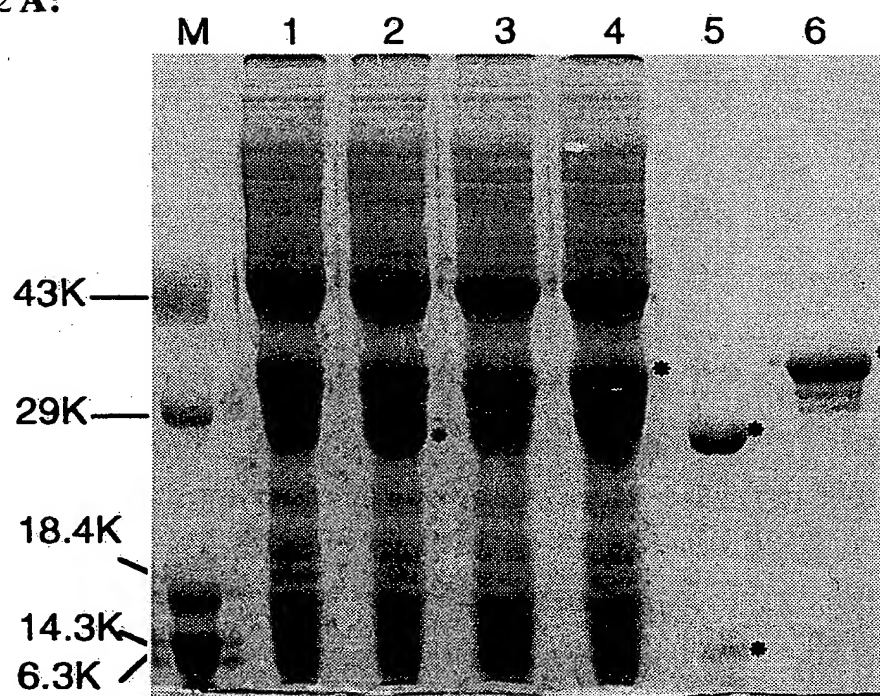


Fig. 2 B:

